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NOTICE OF ALLOWANCE AND FEE(S) DUE

24350

7590

12/20/2010

STITES & HARBISON, PLLC 400 W MARKET ST SUITE 1800 LOUISVILLE. KY 40202-3352 EXAMINER

DASGUPTA, SOUMYA

ART UNIT

PAPER NUMBER

2176

DATE MAILED: 12/20/2010

APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/562,987	12/29/2005	Karl Hehl	HE160-000HE	3525

TITLE OF INVENTION: METHOD AND DEVICE FOR INTERACTIVE CONTROL OF A MACHINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/21/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/562,987	12/29/2005	•	Karl Hehl]	HE160-000HE	3525
TITLE OF INVENTION	: METHOD AND DEVI	ICE FOR INTERACTIVI	E CONTROL OF A MACE	HINE			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	03/21/2011
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DASGUPTA	A, SOUMYA	2176	715-771000				
☐ "Fee Address" ind	oondence address (or Cha B/122) attached. lication (or "Fee Address D2 or more recent) attach	(1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attorney or a 3 registered patent attorney or a 3 registered patent attorney or a 3 registered attorney or	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
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Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	orporati	on or other private gro	oup entity Government
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STITES & HAR	BISON, PLLC	DASGUPTA	, SOUMYA	
400 W MARKET	ST	ART UNIT	PAPER NUMBER	
SUITE 1800 LOUISVILLE, KY 40202-3352			2176 DATE MAILED: 12/20/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 831 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 831 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/562,987	HEHL, KARL			
Notice of Allowability	Examiner	Art Unit			
	SOUMYA DASGUPTA	2176			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commercements. This application is	n this application. If not included unication will be mailed in due co	urse. THIS		
2. X The allowed claim(s) is/are <u>1-25</u> .					
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	been received. been received in Application cuments have been receive of this communication to file	on No ed in this national stage application e a reply complying with the requi	rements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath o		TICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus		(DTO 040)			
(a) ☐ including changes required by the Notice of Draftspers		w (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of					
each sheet. Replacement sheet(s) should be labeled as such in the first of the deposit of and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MAT	ERIAL must be submitted. No	te the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☑ Examiner's	nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowa	ance		
	/DOUG HUTT Supervisory Pa	ON/ atent Examiner, Art Unit 2176			

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Terry Wright (Reg No. 57,992) on Dec 14, 2010.

Claims 1 and 15 are amended as follows:

1. (Currently Amended) A method for interactive control of a plastics material injection molding machine, where, via an input unit, which is provided with actuating fields, operating parameters necessary for an operating sequence of a machine are input, in a form which prompts an operator, into a data processing unit which stores these operating parameters, and subsequently one or more operating sequences are carried out in accordance with the stored operating parameters, the method comprising:

recording a data set covering basic rules of the operating sequence of the machine in the data processing unit and, by using the data set, providing the operator on a graphical user interface with visualization of a selected choice of input possibilities, based on a machine configuration and a machine environment, for additional parts of

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the operating sequence that can be added in a compatible manner into existing parts of the operating sequence[[,]];

providing to an operator, for manual input and/or for input by means of a manipulator, on the graphical user interface a selected choice of actuating fields corresponding to the additional parts of the operating sequence and for navigation on a navigation surface statically arranged on the graphical user interface[[,]];

wherein the navigation surface comprising comprises at least three lines or three columns of actuating and input fields is that are hierarchical from line to line or column to column and is are represented in on the graphical user interface with a plurality of navigation levels associated with one another such that the operator is able to visualize a path through the at least three lines or three columns of actuating and input fields[[,]]; and

wherein, when the operator's input is made, even at a hierarchically higher level input possibilities possible input paths are visualized as a selected choice based on the operator's input.

15. (Currently Amended) An apparatus for interactive control of a plastics material injection molding machine, the apparatus comprising:

a display unit;

a data processing unit[[,]];

an input unit with fields arranged on a graphical user interface for manual input and/or for input by means of a manipulator, by means of which fields, in a form which prompts an operator, operating parameters necessary for an operating sequence of the machine can be input into the data processing unit which stores the operating parameters for subsequently carrying out one or more operating sequences in accordance with the stored operating parameters, wherein the fields are actuating fields for navigation on a navigation surface statically arranged on the graphical user interface, and

Page 4

a data set recorded in the data processing unit and covering basic rules of the operating sequence of the machine[[,]];

wherein the data set provides a selected choice of possible input possibilities for additional parts of the operating sequence, said possible input possibilities being offered to the operator, displayed on-surface the graphical user interface, and based on machine configuration and machine environment, such that the additional parts of the operating sequence can be added in a compatible manner into existing parts of the operating sequence[[,]];

wherein the navigation surface comprising <u>comprises</u> at least three lines or three columns of actuating and input fields is <u>that are</u> hierarchical from line to line or column to column and is <u>are</u> represented <u>in</u> on the graphical user interface with a plurality of navigation levels associated with one another such that the

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operator is able to visualize a path through the at least three lines or three columns of actuating and input fields[[,]]; and

wherein, when the operator's input is made, even at a hierarchically higher level input possibilities possible input paths are visualized as a selected choice based on the operator's input.

Allowable Subject Matter

Claims 1-25 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art fails to disclose every limitation of Claims 1, 15, and 25. More specifically, the prior art fails to disclose or suggest a method for interactive control of a plastics material injection molding machine, the method comprising:

- the navigation surface comprises at least three lines or three columns of
 actuating and input fields that are hierarchical from line to line or column to
 column and are represented in the graphical user interface with a plurality of
 navigation levels associated with one another such that the operator is able to
 visualize a path through the at least three lines or three columns of actuating and
 input fields;
- when the operator's input is made, even at a hierarchically higher level possible input paths are visualized as a selected choice based on the operator's input.

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The examiner notes that these features of the present invention are illustrated in Figures 2-5 the Drawings and discussed in detail from Page 5, Line 19 through Page 8, Line 25 in the Specification of the present application.

Regarding Claim 15, the examiner interprets the recited "apparatus" to include the following hardware components:

display unit;

as indicated in Figure 1 of the Drawings. The recited "input device" and its associated modules are controlled by, and displayed using, the hardware components of the system, as indicated in Figures 1 of the Drawings, and discussed in detail from Page 4, Line 7 through Page 5, Line 25. Accordingly, Claim 15 recites statutory subject matter, as defined in 35 U.S.C. 101.

Regarding Claim 25, the examiner interprets the recited "non-transitory computer readable medium" (see Line 1) to be a hardware component because one of ordinary skill in the art would interpret a non-transitory data carrier (see Page 8, Lines 22-23) as hardware memory storage device. The method of Claim1 that is stored on the "non-transitory computer readable medium" is operated on a machine environment. This can be further illustrated in Fig. 1 and incorporated in a "machine" which is discussed in detail from Page 4, Line 7 through Page 5, Line 25. Accordingly, Claim 26 recites statutory subject matter, as defined in 35 U.S.C. 101.

Claims 2-14:

These claims incorporate the allowable subject matter of Claim 1 and are thus allowable.

Claims 16-24:

These claims incorporate the allowable subject matter of Claim 15 and are thus allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Soumya Dasgupta whose telephone number is 571-272-7432. The examiner can normally be reached on M-Th 9am-7pm, F 9am-1pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Soumya Dasgupta/ Examiner, Art Unit 2176

/DOUG HUTTON/ Supervisory Patent Examiner, Art Unit 2176